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Water-Data Report 2008

**12465400 WILSON CREEK BELOW CORBETT DRAW, NEAR ALMIRA, WA**

Upper Columbia Basin  
Upper Crab Subbasin

LOCATION.--Lat 47°39'47", long 118°55'46" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.16, T.25 N., R.31 E., Lincoln County, WA, Hydrologic Unit 17020013, on left bank, 65 feet downstream from Corbett Draw, 3.5 mi south of Almira, and at mile 22.9.

DRAINAGE AREA.--327 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--March 1969 to June 1971, 1972 to 1979 (annual peaks only), April 1991 to September 1994, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,670 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No regulation. Diversions above station for irrigation. Suspended sediment data are available from Washington Water Science Center office.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--10 years (water years 1970, 1992-94, 2003-2008), 6.93 ft<sup>3</sup>/s, 5,020 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,220 ft<sup>3</sup>/s, Jan. 16, 1973, gage height, 7.68 ft; minimum discharge, no flow often occurs during winter freeze-up and during late summer.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 192 ft<sup>3</sup>/s, Mar. 1, gage height, 5.37 ft; minimum discharge, no flow, part or all of each day Aug. 6-11 and Aug. 16-24.

**12465400 WILSON CREEK BELOW CORBETT DRAW, NEAR ALMIRA, WA—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	1.0	1.1	0.59	0.43	e0.38	50	6.1	6.9	3.5	2.7	0.41	1.4
<b>2</b>	0.84	1.1	0.63	0.45	e0.40	14	5.8	7.3	5.1	1.5	0.49	1.4
<b>3</b>	0.93	1.1	0.85	0.48	e0.40	1.4	5.7	7.4	5.5	1.3	0.94	1.5
<b>4</b>	0.88	1.1	0.59	2.3	e0.40	13	5.8	7.3	5.8	1.3	0.95	1.4
<b>5</b>	0.88	1.1	0.53	1.4	e0.42	15	5.7	7.0	5.9	1.3	0.61	1.4
<b>6</b>	0.85	0.92	0.51	0.48	e0.42	20	5.5	6.4	7.2	3.1	0.00	1.4
<b>7</b>	0.85	0.88	0.51	0.37	e0.42	14	5.7	4.6	7.0	2.5	0.00	1.4
<b>8</b>	1.4	0.92	0.48	0.37	e0.43	9.2	6.0	5.0	5.3	1.0	0.37	1.4
<b>9</b>	1.5	0.92	0.45	0.37	e0.45	11	5.8	5.6	5.2	1.8	0.01	1.3
<b>10</b>	1.4	0.98	0.46	0.34	e0.56	23	5.5	5.0	5.6	0.71	0.05	1.3
<b>11</b>	1.4	0.99	0.43	0.31	e0.50	26	5.4	5.4	5.4	0.32	0.02	1.3
<b>12</b>	1.4	0.99	0.43	0.28	0.51	52	5.3	5.3	3.5	0.35	0.01	1.3
<b>13</b>	1.3	0.99	0.43	0.33	0.52	6.0	5.1	5.5	2.1	0.34	0.05	1.2
<b>14</b>	1.3	0.92	0.43	0.31	e0.46	6.4	5.2	4.2	1.9	0.24	0.07	1.1
<b>15</b>	1.3	0.90	0.43	e0.28	e0.44	6.9	5.7	3.6	3.6	0.19	0.05	1.1
<b>16</b>	1.4	0.99	0.47	e0.33	e0.44	7.4	6.0	3.5	5.2	0.20	0.02	1.1
<b>17</b>	1.4	0.93	0.51	e0.33	e0.44	7.6	5.8	3.3	1.4	0.13	0.00	1.1
<b>18</b>	1.5	0.93	0.61	e0.33	e0.44	8.3	6.0	3.4	1.4	0.12	0.00	0.88
<b>19</b>	1.5	0.99	0.53	e0.36	e0.46	8.8	6.2	3.1	1.5	0.11	0.00	0.88
<b>20</b>	1.5	0.90	0.51	e0.34	e0.48	9.0	6.7	4.7	1.5	0.53	0.00	0.88
<b>21</b>	1.5	0.79	0.51	e0.30	e0.50	8.9	7.1	5.1	1.3	2.1	0.00	0.88
<b>22</b>	1.5	0.77	0.51	e0.28	0.56	9.0	7.1	2.9	1.2	0.51	0.00	0.66
<b>23</b>	1.4	0.77	0.51	e0.28	0.59	9.0	7.6	3.2	1.1	0.65	0.00	0.51
<b>24</b>	1.4	0.77	0.50	e0.33	0.61	9.0	7.2	5.0	1.0	0.66	0.02	0.60
<b>25</b>	1.5	0.77	0.44	e0.36	0.63	8.6	6.7	4.3	0.86	0.49	1.5	0.61
<b>26</b>	1.4	0.77	0.43	e0.38	0.74	8.2	7.4	6.6	1.1	1.6	1.5	0.73
<b>27</b>	1.4	0.71	0.44	e0.45	0.82	7.6	7.5	4.7	1.8	4.2	1.4	0.73
<b>28</b>	1.4	e0.62	0.44	e0.38	2.5	8.0	7.7	2.4	0.63	4.1	1.4	0.77
<b>29</b>	1.4	0.68	0.43	e0.36	13	7.9	6.5	3.8	0.64	4.5	1.4	0.77
<b>30</b>	1.2	0.62	0.43	e0.38	---	7.0	6.9	4.4	1.3	3.3	1.5	0.77
<b>31</b>	1.1	---	0.43	e0.37	---	6.6	---	2.6	---	0.35	1.4	---
<b>Total</b>	39.73	26.92	15.45	14.06	28.92	398.8	186.7	149.5	94.53	42.20	14.17	31.77
<b>Mean</b>	1.28	0.90	0.50	0.45	1.00	12.9	6.22	4.82	3.15	1.36	0.46	1.06
<b>Max</b>	1.5	1.1	0.85	2.3	13	52	7.7	7.4	7.2	4.5	1.5	1.5
<b>Min</b>	0.84	0.62	0.43	0.28	0.38	1.4	5.1	2.4	0.63	0.11	0.00	0.51
<b>Ac-ft</b>	79	53	31	28	57	791	370	297	188	84	28	63

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2008, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	1.13	1.45	1.90	9.22	27.4	41.9	18.1	7.90	4.19	7.15	1.47	1.02
<b>Max</b>	2.05	3.62	6.12	39.9	157	254	82.9	24.7	8.98	64.0	4.32	2.16
(WY)	(1994)	(1971)	(1994)	(1970)	(1970)	(1969)	(1969)	(1969)	(1969)	(1993)	(1993)	(2006)
<b>Min</b>	0.12	0.26	0.18	0.33	0.51	0.62	0.23	0.24	0.17	0.07	0.03	0.11
(WY)	(2006)	(2006)	(2006)	(1993)	(1993)	(1992)	(2005)	(1992)	(2005)	(2005)	(2005)	(2005)

**12465400 WILSON CREEK BELOW CORBETT DRAW, NEAR ALMIRA, WA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1969 - 2008</b>
<b>Annual total</b>	5,521.44	1,042.75	
<b>Annual mean</b>	15.1	2.85	6.93
<b>Highest annual mean</b>			26.8
<b>Lowest annual mean</b>			0.50
<b>Highest daily mean</b>	1,250	Feb 11	52 Mar 12
<b>Lowest daily mean</b>	0.04	Jul 31	0.00 Aug 6
<b>Annual seven-day minimum</b>	0.06	Jul 30	0.00 Aug 17
<b>Annual runoff (ac-ft)</b>	10,950		2,070 1,400
<b>10 percent exceeds</b>	20		Feb 16, 1970 10
<b>50 percent exceeds</b>	1.7		0.00 Jul 27, 2004 1.1
<b>90 percent exceeds</b>	0.51		0.00 Jul 16, 2005 0.25

